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Application Number	10/634,180																
Filing Date	August 5, 2003																
First Named Inventor	Bunker, et al																
Art Unit	1624																
Examiner Name	Deepak R. Rao																
Attorney Docket Number	PC25245A																
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	7 th
		Country Code ² -Number ⁴ -Kind Code ³ (if known)	MM-DD-YYYY			
DR		WO 02/34726	05-02-2002	Noe, et al		
		WO 02/34753	05-02-2002	Bronk, et al		
		EP 0935963	08-18-1999	McClure, et al		
		EP 1138680	10-04-2001	Noe		
		WO 99/64400	12-16-1999	Salituro, et al		
		EP 1069110 A	01-17-2001	Kimura, et al		

Examiner Signature	<i>Dnyak Nuz</i>	Date Considered	3/20/05
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

3

of

4

Complete if Known

Application Number

10/634,180

Filing Date

August 5, 2003

First Named Inventor

Bunker, et al

Art Unit

1624

Examiner Name

Rao, Deepak R.

Attorney Docket Number

PC25245A

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		International Search Report from PCT/TB 03/03508.	
OR		Billinghurst, et al. "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase", Arthritis & Rheumatism, March 2000, vol. 43, No. 3, pp. 664-672.	
		Office Action from 10/264,764 mailed 6.16.03.	
OR		Moy, et al. "High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-13) Complexed with a Hydroxamic Acid Inhibitor", J. mol. Biol., (2000), 302, pp. 671-689.	
OR		Lovejoy, et al, "Crystal Structures of MMP-1 and -13 reveal the Structural Basis for Selectivity of Collagenase Inhibitors", Nature Structural Biology, Vol. 6, No. 3, March 1999, pp. 217-221.	
OR		Billinghurst, et al, "Enganced Cleavage of Type II Collagen by Collagenasees in Osteoarthritic Articular Cartilage", J. Clin. Invest., April 1997, Vol. 99, No. 7, pp. 1534-1545.	
OR		Chen, et al, "Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design", J. Am. Chem. Soc., 2000, Vol. 122, pp. 9648-9654.	
OR		Wernicke, et al, "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", The Journal of Rheumatology, 1996, Vol. 23, No. 4, pp.590-595.	
OR		Mokrosz, et al, "Structure-activity relationship studies of CNS agents Part 10: 1-Aryl-2-[3-(4-aryl-1-piperazinyl)propyl]-1,4-dihydro-3(2 H)-isoquinolones: Two modes of the interaction with the 5-HT receptor site", Pharmazie, 1994, Vol. 49, pp. 328-333.	
OR		Reboul, et al "The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not by Synoviocytes", J. Clin. Invest., Vol. 97, No. 9, May 1996 pp.2011-2019.	

Examiner
Signature

Deepak Rao

Date

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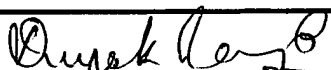
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Sheet	4	of	4	Attorney Docket Number	PC25245A

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WR		Neuhold, et al, "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., January 2001, Vol. 107, No. 1, pp. 35-44.	
WR		Mitchell, et al, "Cloning Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., February 1996, Vol. 97, No. 3, pp. 761-768.	
WR		Dahlberg, et al, "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor That Spares Collagenase 1 (Matrix Metalloproteinase 1)", Arthritis & Rheumatism, March 2000, Vol. 43, No. 3, pp. 673-682.	
WR		Freemont, et al, "In situ zymographic localisation of type II collagen degrading activity in osteoarthritic human articular cartilage", Ann. Rheum. Dis., 1999, Vol. 58, pp. 357-365.	

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